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PATENT TRADEMARK OFFICE

22141 U.S. PTO

10/656152



TO: Commissioner for Patents
Mail Stop Patent Application
P.O. Box 1450
Alexandria, VA 22313-1450

Attorney Docket No. **249/406**

UTILITY PATENT APPLICATION TRANSMITTAL
(new nonprovisional application under 37 CFR 1.53(b))

Transmitted herewith for filing is the patent application of:

INVENTOR(S): **Hoon-tae KIM; Gea-ok CHO**

TITLE: **MULTIBAND TRANSMITTING AND RECEIVING APPARATUS**
AND METHOD USING A CONTROL VOLTAGE OF A PHASE
LOCKED LOOP

In connection with this application, the following are enclosed:

APPLICATION ELEMENTS:

☒ Text (Specification, Claims, Abstract) - 41 TOTAL PAGES

(preferred arrangement:)

- Descriptive Title of the Invention
- Cross Reference to Related Applications
- Statement Regard Fed sponsored R&D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

☒ Drawings - 8 Total Sheets (depicting Figures **1A, 1B and 2-11**)

☒ Declaration and Power of Attorney - 2 Total Sheets

☒ Newly executed (original or copy)

- ☐ Copy from a prior application (37 CFR 1.63(d))
(relates to continuation/divisional boxes completed) - NOTE: Box below
- ☐ Deletion of Inventor(s): Signed statement attached deleting inventor(s) named in prior application; see 37 CFR 1.63(d)(2) and 1.33(b)
- ☐ Incorporation By Reference (useable if copy of prior application Declaration being submitted)

The entire disclosure of the prior application, from which a COPY of the oath or declaration is supplied as noted above, is considered as being part of the disclosure of the accompanying application and is hereby incorporated by reference therein.

- ☐ Microfiche Computer Program (Appendix)
- ☐ Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
- ☐ Computer Readable Copy
- ☐ Paper Copy (identical to computer copy)
- ☐ Statement verifying identify of above copies

ACCOMPANYING APPLICATION PARTS

- ☒ Assignment Papers (cover sheet & document(s))
- ☐ 37 CFR 3.73(b) Statement (when there is an assignee)
- ☐ English Translation Document (if applicable)
- ☒ Information Disclosure Statement (IDS) with PTO-1449. ☒ Copies of IDS Citations
- ☐ Preliminary Amendment
- ☒ Return Receipt Postcard (MPEP 503)
- ☒ Certified Copy of Priority Document(s) with Claim of Priority
(if foreign priority is claimed).
- ☐ OTHER:

If a **CONTINUING APPLICATION**, check appropriate box and supply the requisite information:

- ☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)
of prior application Serial No. _____.

- ☐ Amend the specification by inserting before the first line the following sentence:
--This application is a ☐ continuation, ☐ divisional or ☐ continuation-in-part of application
Serial No. __/__, filed _____.--

CORRESPONDENCE ADDRESS:

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FEE CALCULATIONS: (Small entity fees indicated in parentheses.)

| (1) For | (2) Number Filed | (3) Number Extra | (4) Rate | (5) Basic Fee \$750.00 |
|---------------------------------------|---------------------|---------------------|--------------------|------------------------------|
| Total Claims | <u>19</u> - 20 = | 0 | x \$18 (x \$9) | 0.00 |
| Independent Claims | <u>8</u> - 3 = | 5 | x \$84 (x \$42) | 420.00 |
| Multiple Dependent Claims | | | \$280 (\$140) | None |
| Total Filing fee | | | | \$1,170.00 |
| Assignment Recording Fee per property | | | \$40 | + 40.00 |
| | | | TOTAL FEE: | \$ 1,210.00 |

METHOD OF PAYMENT:

☒ The Commissioner is hereby authorized to charge the fees connected with the filing of this application to Deposit Account No. 50-1645.

Respectfully submitted,



Date: September 8, 2003

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